Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/29/2019 11:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124623	-1	2.00	124655	2.00
Blue	F	SSC	125000	122092	-3	3.33	122922	3.32
Blue	E	FITC	16694	16452	-2	3.69	383	22.07
Blue	D	PE	32792	32126	-3	2.80	710	16.51
Blue	B	PerCP-Cy5-5	44451	44027	-1	4.68	1208	24.08
Blue	A	PE-Cy7	33645	33460	-1	7.01	601	49.42
Red	C	APC	47008	46719	-1	3.04	1808	13.92
Red	A	APC-Cy7	32298	31568	-3	2.85	787	14.27
Violet	B	V450	8961	8641	-4	4.62	592	15.08
Violet	A	V500	32726	31553	-4	4.21	784	11.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20658	5.37	612	-1	N/A	N/A	Pass
Blue	F	SSC	55453	2.35	584	16	N/A	N/A	Pass
Blue	E	FITC	62	72.41	570	7	0.0150	115	Pass
Blue	D	PE	142	58.08	574	8	0.1284	296	Pass
Blue	B	PerCP-Cy5-5	222	57.55	678	7	0.0066	24	Pass
Blue	A	PE-Cy7	115	125.74	733	7	0.0085	28	Pass
Red	C	APC	413	30.27	615	2	0.0177	161	Pass
Red	A	APC-Cy7	194	32.64	585	0	0.0045	1220	Pass
Violet	B	V450	130	40.55	482	-4	0.0196	672	Pass
Violet	A	V500	121	34.00	492	-4	0.0185	699	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.57	-32.15	1.12
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	16.59	13.60 - 20.40	N/A	N/A	29.12	29.65	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10742

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments